

A photograph of a forest floor. In the foreground, there are several large, green, heart-shaped leaves growing from the ground. The ground is covered with brown leaves and twigs. In the background, there are many thin tree trunks and more green foliage. The text is overlaid on the upper part of the image.

**Wetland Advisory Committee Meeting
11 February 2014**

Unique Non-tidal Freshwater Wetlands in Delaware

**William A. McAvoy
Division of Fish and Wildlife
Species Conservation and Research Program**

Summation of the Wetland Flora of Delaware

- ✓ **Native Flora of DE = 1588 species**
- ✓ **Wetland Plants = 45% (708 species)**
- ✓ **Non-tidal Wetland Plants = 88% (614 species)**
- ✓ **Rare Non-tidal Wetland Plants = 38% (234 species)**
- ✓ **Rare Plants of Unique Non-tidal Wetlands = 61%
(143 species)**

Unique Non-tidal Freshwater Wetlands in Delaware

- **Black Ash Seepage Swamps**
- **Inner-dune Depression Meadows**
- **Piedmont Stream Valley Wetlands**
- **Peat-land Fens**
- **Bald Cypress Swamps**
- **Atlantic White Cedar Swamps**
- **Coastal Plain Seasonal Ponds**

Area Covered by Unique Non-tidal Freshwater Wetlands

- **Black Ash Seepage Swamps (0.01%)**
- **Inner-dune Depression Meadows (0.04%)**
- **Piedmont Stream Valley Wetlands (0.06%)**
- **Peat-land Fens (0.08%)**
- **Bald Cypress Swamps (0.47%)**
- **Atlantic White Cedar Swamps (2.04%)**
- **Coastal Plain Seasonal Ponds (2.32%)**

Collectively = 5.02%



Black Ash Seepage Swamp (11 Rare Plants, 0.01% area covered)



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Caltha palustris
marsh marigold



Equisetum fluviatile
water horsetail





Inner-dune Depression Meadows (20 Rare Plants, 0.04% area covered)

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Inner-dune Depression Meadows (20 Rare Plants, 0.04% area covered)

Platanthera blephariglottis
white-fringe orchis



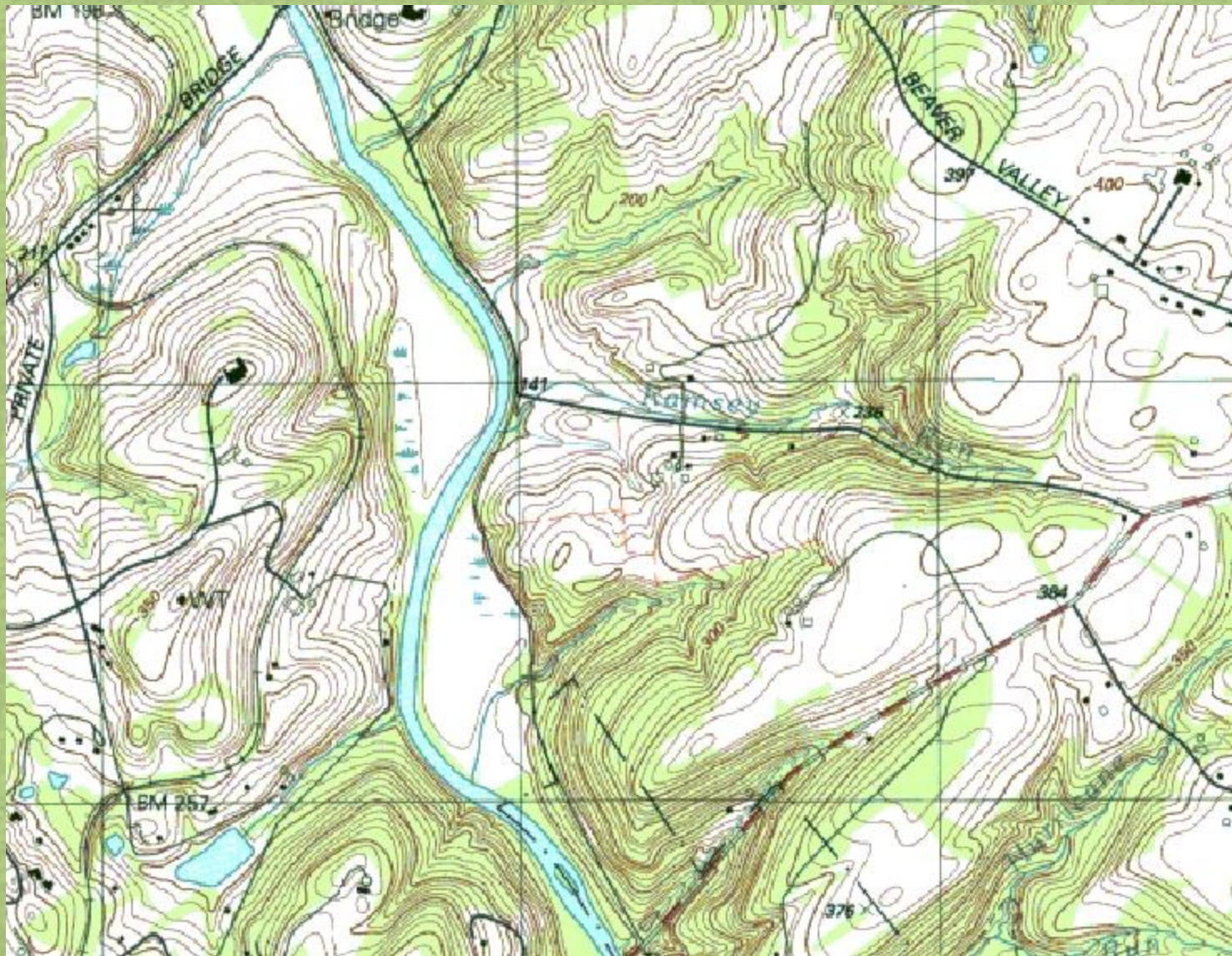


Pogonia ophioglossoides
rose pogonia orchid

Calopogon tubereosus
grass-pink orchid



Piedmont Stream Valley Wetlands (19 Rare Plants, 0.06% area covered)



Piedmont Stream Valley Wetlands (19 Rare Plants, 0.06% area covered)



Carex tetanica* var. *canbyi
Canby's rigid sedge



Ranunculus septentrionalis
shining hispid buttercup



Bog turtle



Mark Tegges

Peat-land Fens

(39 Rare Plants, 0.08% area covered)



Peat-land Fens
(39 Rare Plants, 0.08% area covered)



Black Duck



Mallard





Eryngium aquaticum
rattlesnake-master

Alnus maritima subsp. *maritima*, Delmarva alder





Bald Cypress Swamps (0.47% area covered)



Bald Cypress Swamps (0.47% area covered)



Bald Cypress Swamps

Wood Duck



Hooded Merganser





Atlantic White Cedar Swamps (12 Rare Plants, 2.04% area covered)

Atlantic White Cedar Swamps (12 Rare Plants, 2.04% area covered)





Sarracenia purpurea var. *purpurea*
Northern purple pitcher plant

***Drosera intermedia*, spoon-leaved sundew**



A close-up photograph of a Drosera rotundifolia plant growing in a wet, mossy forest floor. The plant has several round, green leaves with prominent red, hair-like cilia. It is surrounded by brown, fibrous moss and other small green plants. The ground is wet and covered in green moss, with some water visible in the foreground.

Drosera rotundifolia
roundleaf sundew

Helonias bullata
swamp pink

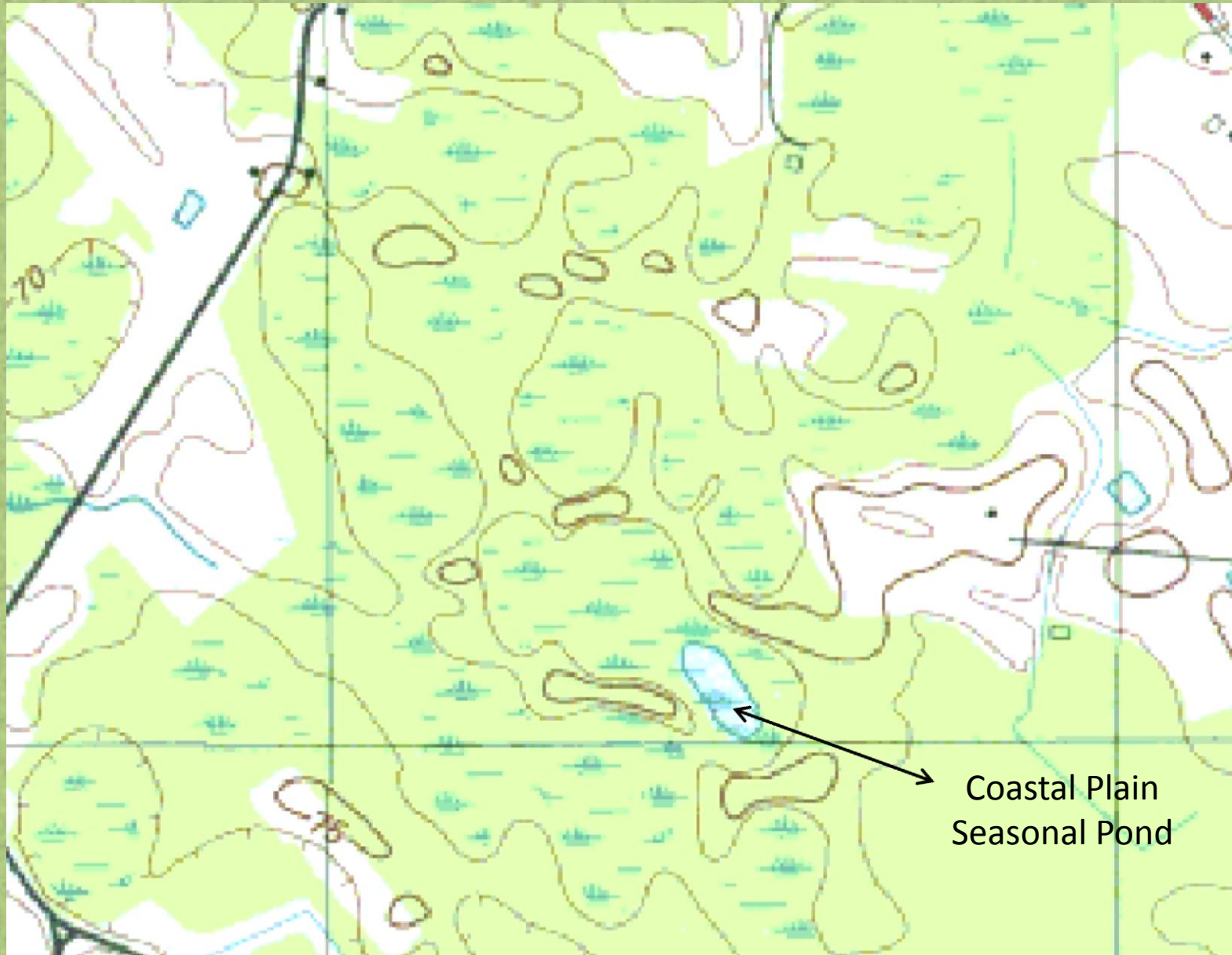


Hessel's Hairstreak



Erik Nielsen

Coastal Plain Seasonal Ponds (42 Rare Plants, 2.32% area covered)



Coastal Plain Seasonal Ponds



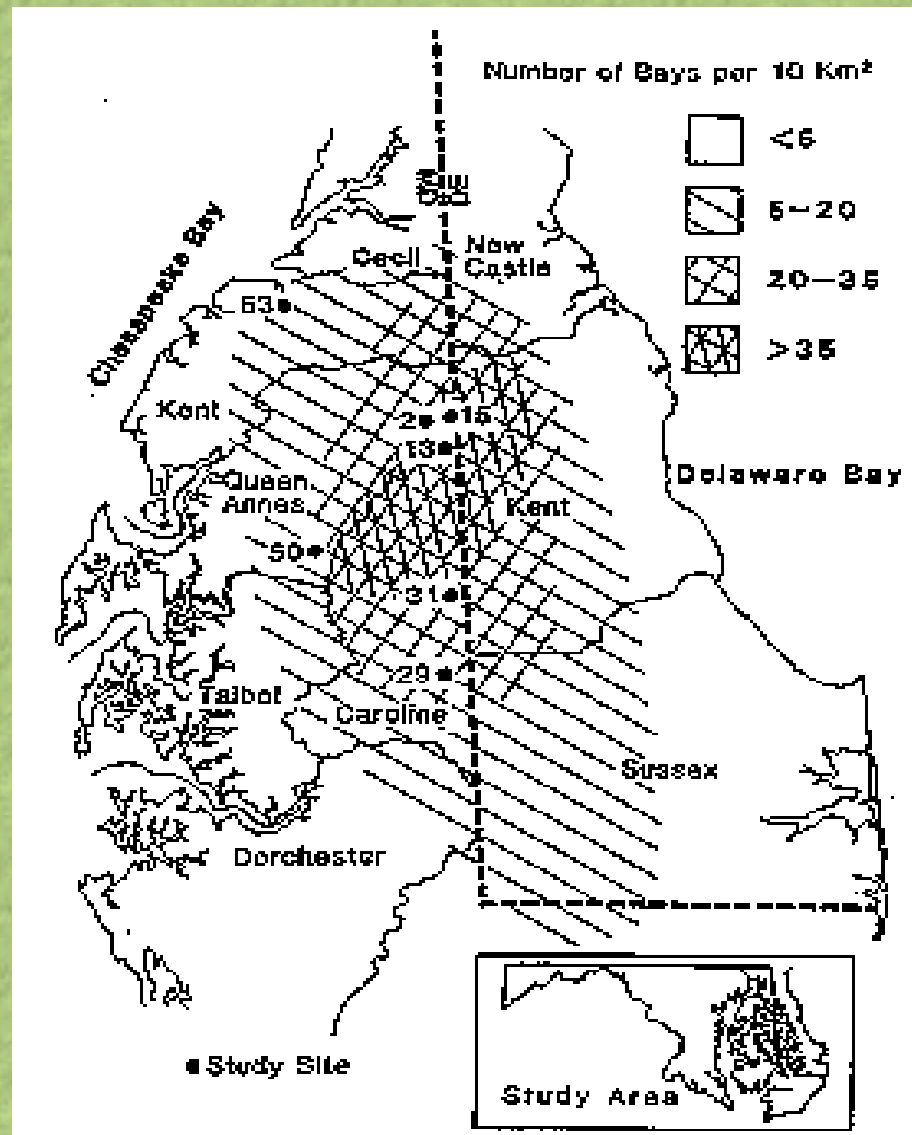








Distribution and Abundance of Coastal Plain Seasonal Ponds on the Delmarva Peninsula























Hottonia inflata, featherfoil







Hottonia inflata, featherfoil







Fimbristylis perpusilla, dwarf fimbry sedge



***Ranunculu flabellaris*, yellow water-crowfoot**



Dichanthelium hirstii
Hirst Brothers' panic grass



Wood Duck



Tiger salamander





Amphibian egg mass

Carpenter frog





Spotted salamander

Cope's gray tree-frog



Barking tree frog



Marbled salamander



